

## ABSTRACT

Methods and apparatus for implementing a wireless modem that operates in two or more wireless networks, such as a packet switched network and a circuit switched network. In one implementation, a modem includes: at least one antenna; a plurality of air interface components, where each air interface component is connected to an antenna and each air interface component corresponds to a respective wireless network, where at least one wireless network is a packet switched network; a modem control component, where the modem control is connected to each of the air interface components; and a modem interface, where the modem interface is connected to the modem control component.